



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. 003248.00041)

#8
Petition to
Make Special
S. Bryce
8/26/03

In the Application of:

Vaidyanathan, et al.

Serial No.: 10/038,398

Filed: January 2, 2002

Title: Compositions and Methods for
Biomedical Applications.

GROUP ART UNIT: 3738

EXAMINER: BARRETT, Thomas C.

PETITION TO MAKE SPECIAL

Commissioner of Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

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AUG 15 2003
TECHNOLOGY CENTER

Sir:

Applicants respectfully petition to make the present application special and advance examination of the application to the earliest date possible. The grounds and conditions for granting this application special status are found in 37 CFR § 1.102(b) and MPEP 708.02 (XII) (Applications Relating to Biotechnology Filed by Applicants Who Are Small Entities).

The Commissioner is hereby authorized to charge Deposit Account No. 19-0733 for any fees due in connection with this petition, including the fee required by 37 CFR § 1.17(h).

Remarks in Support of Petition

The subject application is directed to compositions and methods for making structures that can be used as medical implants in bone reconstruction and replacement treatment. The compositions have osteoconductive and/or osteoinductive characteristics, making them suitable for use in orthopedic and other reconstructive surgical applications. Implant structures prepared from

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the compositions provide load-bearing support while allowing surrounding bone and tissue to grow into the implant site and replace the implant structure. Thus, the present application relates to biotechnology pursuant to MPEP 708.02.

Applicants have assigned the application to Advanced Ceramics Research, Inc. ("ACR"). Small entity status has been established in this application.

The subject of this patent is a major asset of ACR.

The application was filed on January 2, 2002 and has not received any examination by the Examiner. The development of this technology will be significantly impaired if examination of the present application is delayed. Recent press releases relating to the technology have generated interest from the public and potential investors in this technology. ACR is primarily a research and development company that relies upon outside funding. Applicants presently are seeking funding for further development and commercialization of the technology of this application. Government funding has been utilized in the past for development of the technology, however, Applicants now must rely on private funding to support further development and commercialization activities. Favorable examination and issuance of a patent on this application will increase the desirability of this technology to potential investors and improve ACR's ability to obtain private funding that will allow ACR to commercialize the technology.

Based on the foregoing, Applicants respectfully submit that this petition satisfies the requirements of 37 CFR § 1.102(b) and MPEP 708.02 (XII).

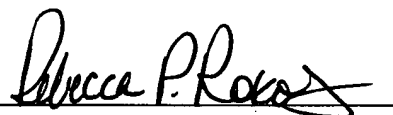
Applicants respectfully request that this application be granted special status for accelerated

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examination on the basis of the application relating to biotechnology and being filed by a small entity.

Respectfully Submitted,

Dated: August 5, 2003

A handwritten signature in black ink, appearing to read "Rebecca P. Rokos", written over a horizontal line.

Rebecca P. Rokos
Reg. No. 42,109

Banner & Witcoff, Ltd.
Ten South Wacker Drive
Suite 3000
Chicago, Illinois 60606-7407
(312) 463-5000